

## Sequence Comparison B

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RESULT      1
US-08-966-316-16
; Sequence 16, Application US/08966316
; Patent No. 5932445
; GENERAL INFORMATION:
;   APPLICANT: Lal, Preeti
;   APPLICANT: Au-Young, Janice
;   APPLICANT: Reddy, Roopa
;   APPLICANT: Murry, Lynn E.
;   APPLICANT: Mathur, Preete
;   TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS
;   NUMBER OF SEQUENCES: 18
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Incyte Pharmaceuticals, Inc.
;     STREET: 3174 Porter Drive
;     CITY: Palo Alto
;     STATE: CA
;     COUNTRY: USA
;     ZIP: 94304
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Diskette
;     COMPUTER: IBM Compatible
;     OPERATING SYSTEM: DOS
;     SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/966,316
;     FILING DATE: Herewith
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:
;     FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Billings, Lucy J.
;     REGISTRATION NUMBER: 36,749
;     REFERENCE/DOCKET NUMBER: PF-0424 US
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 650-855-0555
;     TELEFAX: 650-845-4166
;     TELEX:
;   INFORMATION FOR SEQ ID NO: 16:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 350 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     IMMEDIATE SOURCE:
;       LIBRARY: UTRSNOT11
;       CLONE: 2547002
US-08-966-316-16

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Query Match          100.0%; Score 1819; DB 2; Length 350;
Best Local Similarity 100.0%; Pred. No. 7.6e-148;
Matches 350; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MALEQNQSTDYEEEENEMNGTYDYSQYELICKEDVREFAKVFLPVFLTIVFVIGLAGNS 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MALEQNQSTDYEEEENEMNGTYDYSQYELICKEDVREFAKVFLPVFLTIVFVIGLAGNS 60

Qy     61 MVVAIYAYYKKQRTKTDVYIILNLAVADLLLLFTLPFWAVNAVHGWLKGIMCKITSALYT 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 MVVAIYAYYKKQRTKTDVYIILNLAVADLLLLFTLPFWAVNAVHGWLKGIMCKITSALYT 120

Qy    121 LNFVSGMQFLACISIDRYVAVTKVPSQSGVGKPCWIICFCVWMAAILLSIPQLVFYTVND 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 LNFVSGMQFLACISIDRYVAVTKVPSQSGVGKPCWIICFCVWMAAILLSIPQLVFYTVND 180

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Qy 181 NARCIPIFPRLYLGTSMKALIQMLEICIGFVVPFLIMGVCFITARTLMKMPNIKISRPLK 240  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 181 NARCIPIFPRLYLGTSMKALIQMLEICIGFVVPFLIMGVCFITARTLMKMPNIKISRPLK 240  
  
Qy 241 VLLTVVIVFIVTQLPYNIVKFCRAIDIIYSLITSCNMSKRMDIAIQVTESIALFHSLNP 300  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 241 VLLTVVIVFIVTQLPYNIVKFCRAIDIIYSLITSCNMSKRMDIAIQVTESIALFHSLNP 300  
  
Qy 301 ILYVFMGASFKNYVMKVAKKYGSWRRQRSVEEFPPDSEGPTPTSTFSI 350  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Db 301 ILYVFMGASFKNYVMKVAKKYGSWRRQRSVEEFPPDSEGPTPTSTFSI 350